50X1-HUM

SEE BOTTOM OF PAGE FOR SPECIAL CONTROLS, IF A.

C-O-N-F-I-D-E-N-T-I-A-L

INFORMATION REPORT

PREPARED AND DISSEMINATED BY
CENTRAL INTELLIGENCE AGENCY

COUNTRY: Hungary

SUBJECT: Description of Pecs Thermal Power Plant

DATE DISTRIBUTED: 25 June 1957

NO. OF PAGES: 2

NO. OF ENCLS.:

SUPPLEMENT TO REPORT #

50X1-HUM

THIS IS UNEVALUATED INFORMATION

50X1-HUM

2. The Pecs thermal power plant is located at Pecsujhegyi, five to six miles northeast from the center of Pecs. This plant is 40 years old and supplies the Istvan mine, a brickette factory and the 120 KV national network.

3. There are three Ganz turbo generators at the plant each rated at 10 MW, three phase, 50-cycle ac. The turbines are quite old but the generators were replaced about 1941. The entire power plant is in a poor state of repair and although it is rated at 30 MW, it does not produce more than 10 MW because of constant breakdowns.

4. There are seven 14-ton steam/hr boilers, each 35-40 years old. These furnaces have moving grates and are unable to burn pulverized coal. About 1941, four 25-ton steam/hr boilers were imported from DDSG [sic], Vienna. Because there was no room to install these boilers in the power house, they were installed in the open adjacent to the power house. These boilers are fired with pulverized coal.

5. Coal for the plant comes from the Istvan mine and is of poor quality. Because the old boilers are inefficient, they are unable to burn low calorie coal and a very large supply of coal which cannot be used has been accumulated at the power plant. This coal is rated at about 1600 calories. Modern boilers are able to burn this poor coal, so a new power plant is planned for construction nearly. [redacted] there is enough coal accumulated at the old power plant to operate a new one for eight years. During eight years, the old power plant will accumulate enough poor coal to operate a new plant for an additional seven years, making a total of 15 years operation from the accumulated coal supply at the old power plant. 50X1-HUM

6. Coal is brought into the power plant by rail and stored in the northwestern section of the plant yard. There it is sorted and moved to the furnaces by rail and conveyor belt. The furnaces in the old plant can only burn coal of 3500 calories and they use 500-600 tons daily.

7. In 1956 Vertesz received a rush order for the design of the new Pecs thermal power plant which will contain four turbo generators each rated at 30 MW, three phase, 50-cycle. [redacted] they wanted the plant completed 50X1-HUM

C-O-N-F-I-D-E-N-T-I-A-L

DISTRIBUTION | STATE | ARMY | NAVY | AIR

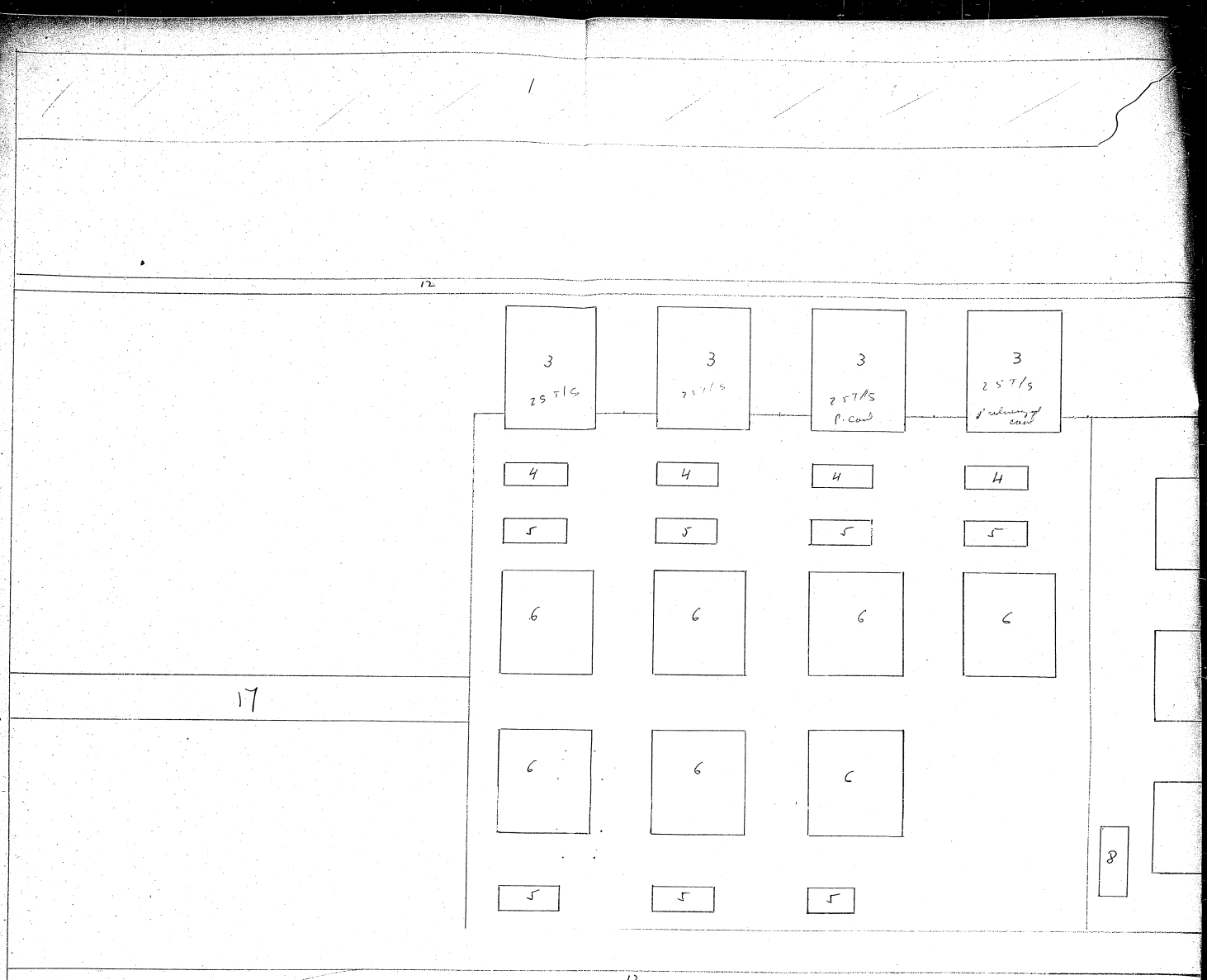
STAT

and in operation by 1958. The reason for construction of the new station is secret, but the output is needed for operation of uranium mines in the area. 50X1-HUM

8. Cooling water for the old plant is a problem and is supplied from wells in the area. Water for the new plant will be taken from the Danube and brought through underground pipes to the new plant. Water is cooled at the old plant by two wooden cooling towers. 50X1-HUM

9. sketch of the existing Pecs thermal power plant.

-end-



1	SLAG AND ASHES DUMPING AREA
2	WOODEN WATER COOLING TOWERS
3	FOUR - 25-TON STEAM PER/HR OPEN AIR BOILERS
4	MODERN AUTOMATIC GANZ CONTROLS FOR #3 BOILERS
5	MODERN AUTOMATIC GANZ CONTROLS FOR #6 BOILERS
6	SEVEN OLD 14 TON STEAM PER/HR BOILERS
7	THREE GANZ 10 MW THREE-PHASE, 50-CYCLE TURBO GENERATORS. TURBINES OLD - GENERATORS INSTALLED ABOUT 1941
8	INSTRUMENT CONTROL PANEL FOR GENERATORS
9	POWER HOUSE CONTROL STATION
10	SWITCHGEAR
11	OPEN TRANSFORMERS 10MW, 10KV/120KV THREE-PHASE 50-CYCLE - CONNECTION WITH ISTVAN MINE, BRIQUETTE FACTORY AND NATIONAL NETWORK
12	RAILROAD BRANCH LINE FROM PECS
13	TRANSFORMER SUBSTATION. AFTER NEW PECS POWER PLANT IS CONSTRUCTED, THIS SUBSTATION WILL BE DISMANTLED.
14	PARTS STORAGE
15	COAL STORAGE CONTAINING ONE MONTH'S SUPPLY - MOVED BY RR FROM 15 to 17.
16	OFFICES
17	COAL CONVEYOR BELT

PÉCS